

**Amendments to the Claims**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

Claims 1 – 15 (cancelled).

Claim 16 – 36 (withdrawn).

Claim 37 (currently amended):        ~~A composition comprising a self-reversible invert latex, wherein said self-reversible invert latex comprises~~ comprising:

- a)        an oily phase,
- b)        an aqueous phase,
- c)        at least one water-in-oil type emulsifying agent, and
- d)        at least one oil-in-water type emulsifying agent, and
- e)        a cationic polyelectrolyte,

~~wherein said water-in-oil type emulsifying agent or said oil-in-water type emulsifying agent comprises at least one cationic polyelectrolyte composition, and~~  
wherein said cationic polyelectrolyte composition comprises a plurality of copolymerized monomeric units of at least one cationic monomer with at least one neutral monomer and at least one nonionic surfactant monomer,

wherein said cationic polyelectrolyte composition present is in a range of from about 20% to about 70% by weight of said self-reversible invert latex,  
wherein:

- a)        from about 5% to about 35% of said copolymerized monomeric units comprise said cationic monomer;
- b)        from about 55% to about 95% of said copolymerized monomeric units comprise said neutral monomer; and
- c)        from about 0.1% to about 5% of said copolymerized monomeric units comprise said nonionic surfactant monomer, and

wherein:

- a)        from about 5% to about 35% of said copolymerized monomeric units comprise said cationic monomer;
- b)        from about 35% to about 91% of said copolymerized monomeric units comprise said neutral monomer;

- c) from about 0.1% to about 5% of said copolymerized monomeric units comprise said nonionic surfactant monomer; and
- d) from about 3% to about 20% of said copolymerized monomeric units comprise said N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]propenamide monomer.

Claim 38 (cancelled).

Claim 39 (currently amended):      The ~~composition~~ self-reversible invert latex according to ~~Claim 38~~ Claim 37, wherein said range is from about 25% to about 40% by weight of said self-reversible invert latex.

Claim 40 (currently amended):      The ~~composition~~ self-reversible invert latex according to ~~Claim 38~~ Claim 37, wherein said self-reversible invert latex comprises a total of said water-in-oil type emulsifying agent or and said oil-in-water type emulsifying agent in a range of from about 2.5% to about 15% by weight of said self-reversible invert latex.

Claim 41 (currently amended):      The ~~composition~~ self-reversible invert latex according to Claim 40, wherein said range is from about 4% to about 9%.

Claim 42 (currently amended):      The ~~composition~~ self-reversible invert latex according to ~~Claim 38~~ Claim 37, wherein said water-in-oil type emulsifying agent present is in a range of from about 20% to about 50% by weight of ~~said self-reversible invert latex~~ the total of said water-in-oil type emulsifying agent and said oil-in-water type emulsifying agent.

Claim 43 (currently amended):      The ~~composition~~ self-reversible invert latex according to Claim 42, wherein said range is from about 25% to about 40%.

Claim 44 (currently amended):      The ~~composition~~ self-reversible invert latex according to Claim 37, wherein said oil-in-water type emulsifying agent present is in a range of from about 50% to about 80% by weight of ~~said self-reversible invert latex~~ the total of said water-in-oil type emulsifying agent and said oil-in-water type emulsifying agent.

Claim 45 (currently amended):        ~~The composition~~ self-reversible invert latex  
according to Claim 44, wherein said range is from about 60% to about 75%.

Claim 46 (currently amended):        ~~The composition~~ self-reversible invert latex  
according to ~~Claim 38~~ Claim 37, wherein said self-reversible invert latex comprises an oily  
phase in a range of from about 15% to about 50% by weight of said self-reversible invert  
latex.

Claim 47 (currently amended):        ~~The composition~~ self-reversible invert latex  
according to Claim 46, wherein said range is from about 20% to about 25%.

Claim 48 (currently amended):        ~~The composition~~ self-reversible invert latex  
according to ~~Claim 38~~ Claim 37, wherein said self-reversible invert latex comprises water  
in a range of from about 5% to about 60% by weight of said self-reversible invert latex.

Claim 49 (currently amended):        ~~The composition~~ self-reversible invert latex  
according to Claim 48, wherein said range is from about 20% to about 50%.

Claim 50 – 59 (withdrawn).

Claim 60 (currently amended):        ~~The composition~~ self-reversible invert latex  
according to ~~Claim 38~~ Claim 37, wherein said neutral monomer comprises at least one  
component selected from the group consisting of:

- a)        acrylamide,
- b)        methacrylamide,
- c)        vinylpyrrolidone,
- d)        diacetone-acrylamide,
- e)        dimethylacrylamide,
- f)        (2-hydroxyethyl) acrylate,
- g)        (2,3-dihydroxypropyl) acrylate,
- h)        (2-hydroxyethyl) methacrylate, and
- i)        (2,3-dihydroxypropyl) methacrylate.

Claim 61 (currently amended):        ~~A composition comprising a self reversible invert  
latex, wherein said self reversible invert latex comprises~~

a) ~~an oily phase,~~  
b) ~~an aqueous phase,~~  
c) ~~at least one water-in-oil type emulsifying agent, and~~  
d) ~~at least one oil-in-water type emulsifying agent,~~  
wherein said water-in-oil type emulsifying agent or said oil-in-water type emulsifying agent comprises at least one cationic polyelectrolyte composition, and  
wherein said cationic polyelectrolyte composition comprises a plurality of copolymerized monomeric units of at least one cationic monomer with at least one neutral monomer and at least one nonionic surfactant monomer,  
wherein said neutral monomer comprises at least one component selected from the group consisting of:  
a) ~~acrylamide,~~  
b) ~~methacrylamide,~~  
c) ~~vinylpyrrolidone,~~  
d) ~~diacetone acrylamide,~~  
e) ~~dimethylacrylamide,~~  
f) ~~(2-hydroxyethyl) acrylate,~~  
g) ~~(2,3-dihydroxypropyl) acrylate,~~  
h) ~~(2-hydroxyethyl) methacrylate, and~~  
i) ~~(2,3-dihydroxypropyl) methacrylate,~~  
wherein said cationic polyelectrolyte composition present is in a range of from about 20% to about 70% by weight of said self-reversible invert latex, and  
The self-reversible invert latex according to Claim 60, wherein said composition further comprises an ethoxylated derivative of said component and the molecular weight of said derivative is in a range of from about 400 to about 1000.

Claim 62 (currently amended):      ~~The composition~~ self-reversible invert latex according to ~~Claim 38~~ Claim 37, wherein said cationic monomer comprises at least one component selected from the group consisting of:

- a)      2,N,N,N-tetramethyl-2-[(1-oxo-2-propenyl)amino]propanammonium chloride (AMPTAC),
- b)      2,N,N-trimethyl-2-[(1-oxo-2-propenyl)amino]propanammonium chloride,
- c)      N,N,N-trimethyl-3-[(1-oxo-2-propenyl)amino]propanammonium chloride (APTAC),
- d)      diallyldimethylammonium chloride (DADMAC),

- e) N,N,N-trimethyl-2-[(1-oxo-2-propenyl)]ethan ammonium chloride,
- f) N,N,N-trimethyl-2-[(1-oxo-2-methyl-2-propenyl)]ethan ammonium chloride,
- g) N-[2-(dimethylamino)-1,1-dimethyl]acrylamide, N-[2-(methylamino)-1,1-dimethyl]acrylamide, 2-(dimethylamino)ethyl acrylate,
- h) 2-(dimethylamino)ethyl methacrylate, and
- i) N-[3-(dimethylamino)propyl]acrylamide.

Claims 63 – 72 (cancelled).

Claim 73 (currently amended):      The ~~composition~~ self-reversible invert latex according to ~~Claim 72~~ Claim 37, wherein:

- a)      from about 5% to about 35% of said copolymerized monomeric units comprise said cationic monomer;
- b)      from about 35% to about 91% of said copolymerized monomeric units comprise said neutral monomer;
- c)      from about 0.1% to about 5% of said copolymerized monomeric units comprise said nonionic surfactant monomer; and
- d)      from about 3% to about 20% of said copolymerized monomeric units comprise said N-[2-hydroxy-1,1-bis(hydroxymethyl)ethyl]propenamide monomer.

Claim 74 (currently amended):      The ~~composition~~ self-reversible invert latex according to Claim 73, wherein said composition is not crosslinked.

Claim 75 (currently amended):      The ~~composition~~ self-reversible invert latex according to Claim 73, wherein said composition is crosslinked.

Claim 76 (currently amended):      The ~~composition~~ self-reversible invert latex according to Claim 75, wherein said crosslinked agent is selected from the group consisting of:

- a)      diethylenic,
- b)      polyethylenic compounds,
- c)      diallyloxyacetic acid,
- d)      sodium salt,
- e)      triallylamine,

- f) trimethylol propanetriacrylate,
- g) ethylene glycol dimethacrylate,
- h) diethylene glycol diacrylate,
- i) diallylurea, and
- j) methylene bis(acrylamide).

Claim 77 (currently amended):        The ~~composition~~ self-reversible invert latex according to Claim 76, wherein the molar proportion of said crosslinked agent is in a range of from about 0.005% to about 1% of the total composition.

Claim 78 (currently amended):        The ~~composition~~ self-reversible invert latex according to Claim 77, wherein said proportion is in a range of from about 0.01% to about 0.2%.

Claim 79 (currently amended):        The ~~composition~~ self-reversible invert latex according to Claim 78, wherein said proportion is in a range of from about 0.01% to about 0.1%.